

AO 120 (Rev. 08/10)

<b>TO:</b> <b>Mail Stop 8</b> <b>Director of the U.S. Patent and Trademark Office</b> <b>P.O. Box 1450</b> <b>Alexandria, VA 22313-1450</b>	<b>REPORT ON THE</b> <b>FILING OR DETERMINATION OF AN</b> <b>ACTION REGARDING A PATENT OR</b> <b>TRADEMARK</b>
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In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court Northern District of Illinois on the following

☐ Trademarks or ☒ Patents. ( ☐ the patent action involves 35 U.S.C. § 292.);

DOCKET NO. 1:16-cv-08979	DATE FILED 9/15/2016	U.S. DISTRICT COURT Northern District of Illinois
PLAINTIFF Levitation Arts, Inc.		DEFENDANT Flyte LLC
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1 See Attached		
2		
3		
4		
5		

In the above—entitled case, the following patent(s)/ trademark(s) have been included:

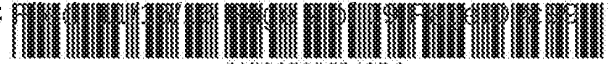
DATE INCLUDED	INCLUDED BY <input type="checkbox"/> Amendment <input type="checkbox"/> Answer <input type="checkbox"/> Cross Bill <input type="checkbox"/> Other Pleading
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK
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In the above—entitled case, the following decision has been rendered or judgement issued:

<b>DECISION/JUDGEMENT</b> Case closed on 11/14/16 pursuant to stipulation and without prejudice and with leave to refile in the Louisville Division of the United States District Court for the Western District of Kentucky.
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CLERK Thomas G. Bruton	(BY) DEPUTY CLERK Melissa Rivera	DATE 11/15/2016
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Copy 1—Upon initiation of action, mail this copy to Director    Copy 3—Upon termination of action, mail this copy to Director  
 Copy 2—Upon filing document adding patent(s), mail this copy to Director    Copy 4—Case file copy



US007505243B2

(12) **United States Patent**  
Davis et al.

(10) **Patent No.:** US 7,505,243 B2  
(45) **Date of Patent:** \*Mar. 17, 2009

(54) **MAGNETIC LEVITATION APPARATUS**

(75) **Inventors:** Harold Davis, Vancouver (CA); Lorne A. Whitehead, Vancouver (CA)

(73) **Assignee:** Levitation Arts, Inc., Boerne, TX (US)

(\*) **Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

This patent is subject to a terminal disclaimer.

(21) **Appl. No.:** 11/958,954

(22) **Filed:** Dec. 18, 2007

(65) **Prior Publication Data**  
US 2008/0218929 A1 Sep. 11, 2008

**Related U.S. Application Data**  
(63) Continuation of application No. 10/529,507, filed as application No. PCT/CA03/01501 on Sep. 29, 2003, now Pat. No. 7,348,691.

(60) Provisional application No. 60/413,881, filed on Sep. 27, 2002.

(51) **Int. Cl.**  
H01H 47/00 (2006.01)

(52) **U.S. Cl.** 361/144

(58) **Field of Classification Search** 361/144  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

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6,595,941 B2 \* 7/2003 Hansen ..... 73/53.01  
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\* cited by examiner

*Primary Examiner*—Stephen W Jackson

(74) *Attorney, Agent, or Firm*—Paul Adams; Ryan Kennedy

(57) **ABSTRACT**

A magnetic levitation apparatus supports a magnetic element in a magnetic field. A control system controls a variable magnetic field to maintain the magnetic element at an equilibrium location relative to an unstable axis. In some embodiments the variable magnetic field has a gradient in the direction of the unstable axis but no field component. In some embodiments the magnetic field is provided by an array of four discrete magnets. In some embodiments additional magnets provide increased field intensity at the equilibrium location this increases stability of the levitated magnetic element against overturning. Light and electrical power may be supplied to the levitating magnetic element.

25 Claims, 9 Drawing Sheets

